

Title (en)

A METHOD AND AN APPARATUS FOR MEASURING THE LOAD-BEARING CAPACITY OF A ROAD SURFACE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MESSUNG DER TRAGFAEHIGKEIT VON FAHRBAHNDECKEN

Title (fr)

PROCEDE ET APPAREIL DE MESURE DE LA FORCE PORTANTE D'UNE SURFACE DE ROUTE

Publication

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Application

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Abstract (en)

[origin: WO0047973A1] A method and an apparatus for determining the resiliency of a road surface include a vehicle (1) that is caused to move along the road surface (3) and that exerts a load on said surface with one wheel (2). A ball of plastic material (16) is shot onto the road surface (3) so as to adhere thereto in the movement path of two measuring arrangements (8, 9; 18, 19) which are separated in the direction of movement of the vehicle (1) and by means of which the vertical distance is measured between the upper side of the ball (16) adhering to the road surface (3) and a vehicle-carried reference in two positions along the vehicle. The distance between the reference and the measuring body can be established in several positions along the vehicle (1), for determining the deflection curve of the road surface.

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